

+

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No. 2077.1-2745.3US

<i>First Inventor</i>	Orr et al.
-----------------------	------------

Title APPARATUS AND METHOD FOR NON-INVASIVELY MEASURING
CARDIAC OUTPUT

Express Mail Label No. EV326922756US

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

**Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

1. ☒ **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original and a duplicate for fee processing)
2. ☐ **Applicant claims small entity status.**
See 37 CFR 1.27.
3. ☒ **Specification** [Total Pages]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ **Drawing(s) (35 U.S.C. 113)** [Total Sheets]
5. **Oath or Declaration** [Total Pages]
- a. ☐ **Newly executed (original or copy)**
 - b. ☒ **Copy from a prior application (37 CFR 1.63 (d))**
(for a continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ **Application Data Sheet. See 37 CFR 1.76**

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: Associate Power of Attorney (1 page)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)

of prior application No: 09 / 767,363

Prior application information: **Examiner R. Nasser**

Group / Art Unit: 3736

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ **Customer Number**

24247

or ☐ Correspondence address below

Name _____

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Brick G. Power

Registration No. (Attorney/Agent)

38,581

Signature

Date _____


September 8, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003 <i>Effective 01/01/2003. Patent fees are subject to annual revision.</i>		Complete if Known		
		Application Number	To be assigned	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	September 8, 2003	
		First Named Inventor	Orr et al.	
		Examiner Name	To be assigned	
TOTAL AMOUNT OF PAYMENT (\$)		750	Attorney Docket No.	2077.1-2745.3US

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																															
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES																																																																																																																																																																															
<input type="checkbox"/> Deposit Account: Deposit Account Number: 20-1469 Deposit Account Name: TraskBritt		<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td></td><td></td><td>1051</td><td>130</td><td>2051 65</td><td></td></tr><tr><td></td><td></td><td>1052</td><td>50</td><td>2052 25</td><td></td></tr><tr><td></td><td></td><td>1053</td><td>130</td><td>1053 130</td><td></td></tr><tr><td></td><td></td><td>1812</td><td>2,520</td><td>1812 2,520</td><td></td></tr><tr><td></td><td></td><td>1804</td><td>920*</td><td>1804 920*</td><td></td></tr><tr><td></td><td></td><td>1805</td><td>1,840*</td><td>1805 1,840*</td><td></td></tr><tr><td></td><td></td><td>1251</td><td>110</td><td>2251 55</td><td></td></tr><tr><td></td><td></td><td>1252</td><td>410</td><td>2252 205</td><td></td></tr><tr><td></td><td></td><td>1253</td><td>930</td><td>2253 465</td><td></td></tr><tr><td></td><td></td><td>1254</td><td>1,450</td><td>2254 725</td><td></td></tr><tr><td></td><td></td><td>1255</td><td>1,970</td><td>2255 985</td><td></td></tr><tr><td></td><td></td><td>1401</td><td>320</td><td>2401 160</td><td></td></tr><tr><td></td><td></td><td>1402</td><td>320</td><td>2402 160</td><td></td></tr><tr><td></td><td></td><td>1403</td><td>280</td><td>2403 140</td><td></td></tr><tr><td></td><td></td><td>1451</td><td>1,510</td><td>1451 1,510</td><td></td></tr><tr><td></td><td></td><td>1452</td><td>110</td><td>2452 55</td><td></td></tr><tr><td></td><td></td><td>1453</td><td>1,300</td><td>2453 650</td><td></td></tr><tr><td></td><td></td><td>1501</td><td>1,300</td><td>2501 650</td><td></td></tr><tr><td></td><td></td><td>1502</td><td>470</td><td>2502 235</td><td></td></tr><tr><td></td><td></td><td>1503</td><td>630</td><td>2503 315</td><td></td></tr><tr><td></td><td></td><td>1460</td><td>130</td><td>1460 130</td><td></td></tr><tr><td></td><td></td><td>1807</td><td>50</td><td>1807 50</td><td></td></tr><tr><td></td><td></td><td>1806</td><td>180</td><td>1806 180</td><td></td></tr><tr><td></td><td></td><td>8021</td><td>40</td><td>8021 40</td><td></td></tr><tr><td></td><td></td><td>1809</td><td>750</td><td>2809 375</td><td></td></tr><tr><td></td><td></td><td>1810</td><td>750</td><td>2810 375</td><td></td></tr><tr><td></td><td></td><td>1801</td><td>750</td><td>2801 375</td><td></td></tr><tr><td></td><td></td><td>1802</td><td>900</td><td>1802 900</td><td></td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid			1051	130	2051 65				1052	50	2052 25				1053	130	1053 130				1812	2,520	1812 2,520				1804	920*	1804 920*				1805	1,840*	1805 1,840*				1251	110	2251 55				1252	410	2252 205				1253	930	2253 465				1254	1,450	2254 725				1255	1,970	2255 985				1401	320	2401 160				1402	320	2402 160				1403	280	2403 140				1451	1,510	1451 1,510				1452	110	2452 55				1453	1,300	2453 650				1501	1,300	2501 650				1502	470	2502 235				1503	630	2503 315				1460	130	1460 130				1807	50	1807 50				1806	180	1806 180				8021	40	8021 40				1809	750	2809 375				1810	750	2810 375				1801	750	2801 375				1802	900	1802 900	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																												
		1051	130	2051 65																																																																																																																																																																													
		1052	50	2052 25																																																																																																																																																																													
		1053	130	1053 130																																																																																																																																																																													
		1812	2,520	1812 2,520																																																																																																																																																																													
		1804	920*	1804 920*																																																																																																																																																																													
		1805	1,840*	1805 1,840*																																																																																																																																																																													
		1251	110	2251 55																																																																																																																																																																													
		1252	410	2252 205																																																																																																																																																																													
		1253	930	2253 465																																																																																																																																																																													
		1254	1,450	2254 725																																																																																																																																																																													
		1255	1,970	2255 985																																																																																																																																																																													
		1401	320	2401 160																																																																																																																																																																													
		1402	320	2402 160																																																																																																																																																																													
		1403	280	2403 140																																																																																																																																																																													
		1451	1,510	1451 1,510																																																																																																																																																																													
		1452	110	2452 55																																																																																																																																																																													
		1453	1,300	2453 650																																																																																																																																																																													
		1501	1,300	2501 650																																																																																																																																																																													
		1502	470	2502 235																																																																																																																																																																													
		1503	630	2503 315																																																																																																																																																																													
		1460	130	1460 130																																																																																																																																																																													
		1807	50	1807 50																																																																																																																																																																													
		1806	180	1806 180																																																																																																																																																																													
		8021	40	8021 40																																																																																																																																																																													
		1809	750	2809 375																																																																																																																																																																													
		1810	750	2810 375																																																																																																																																																																													
		1801	750	2801 375																																																																																																																																																																													
		1802	900	1802 900																																																																																																																																																																													
FEE CALCULATION		Other fee (specify) _____																																																																																																																																																																															
1. BASIC FILING FEE		*Reduced by Basic Filing Fee Paid																																																																																																																																																																															
<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1001</td><td>2001</td><td>750</td><td>375</td><td>Utility filing fee</td><td>750</td></tr><tr><td>1002</td><td>2002</td><td>330</td><td>165</td><td>Design filing fee</td><td></td></tr><tr><td>1003</td><td>2003</td><td>520</td><td>260</td><td>Plant filing fee</td><td></td></tr><tr><td>1004</td><td>2004</td><td>750</td><td>375</td><td>Reissue filing fee</td><td></td></tr><tr><td>1005</td><td>2005</td><td>160</td><td>80</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5">SUBTOTAL (1)</td><td>(\$ 750)</td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1001	2001	750	375	Utility filing fee	750	1002	2002	330	165	Design filing fee		1003	2003	520	260	Plant filing fee		1004	2004	750	375	Reissue filing fee		1005	2005	160	80	Provisional filing fee		SUBTOTAL (1)					(\$ 750)	SUBTOTAL (3) (\$ 0)																																																																																																																																					
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																												
1001	2001	750	375	Utility filing fee	750																																																																																																																																																																												
1002	2002	330	165	Design filing fee																																																																																																																																																																													
1003	2003	520	260	Plant filing fee																																																																																																																																																																													
1004	2004	750	375	Reissue filing fee																																																																																																																																																																													
1005	2005	160	80	Provisional filing fee																																																																																																																																																																													
SUBTOTAL (1)					(\$ 750)																																																																																																																																																																												
2. EXTRA CLAIM FEES																																																																																																																																																																																	
<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1202</td><td>2202</td><td>18</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>1201</td><td>2201</td><td>84</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>1203</td><td>2203</td><td>280</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>1204</td><td>2204</td><td>84</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>1205</td><td>2205</td><td>18</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5">SUBTOTAL (2)</td><td>(\$ 0)</td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1202	2202	18	9	Claims in excess of 20		1201	2201	84	42	Independent claims in excess of 3		1203	2203	280	140	Multiple dependent claim, if not paid		1204	2204	84	42	** Reissue independent claims over original patent		1205	2205	18	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$ 0)																																																																																																																																						
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																												
1202	2202	18	9	Claims in excess of 20																																																																																																																																																																													
1201	2201	84	42	Independent claims in excess of 3																																																																																																																																																																													
1203	2203	280	140	Multiple dependent claim, if not paid																																																																																																																																																																													
1204	2204	84	42	** Reissue independent claims over original patent																																																																																																																																																																													
1205	2205	18	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																													
SUBTOTAL (2)					(\$ 0)																																																																																																																																																																												
**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																	

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Brick G. Power	Registration No. Attorney/Agent	38,581
Signature		Telephone	801-532-1922
		Date	September 8, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22304-1450.